

REMARKS/ARGUMENTS

This case has been carefully reviewed and analyzed, and reconsideration and favorable action is respectfully requested.

SPECIFICATION OBJECTION

The disclosure was originally objected to because of some informalities.

Responsive to this, the specification is corrected in accordance with the Examiner's instruction and suggestion, and it is believed that the objection should be removed.

CLAIM REJECTION UNDER 35 U.S.C. 112

Claims 1-5 were originally rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement.

The Examiner stated that the specification and claims define "L" as the distance between the corner of each receiving recess and the corner of an adjacent receiving recess, but the drawings define "L" as the distance between the corners of a receiving recess. Consequently, it is not clear where the distance "L" lies. Additionally, since the corners of the receiving recesses are curved, it is not clear as to beginning and ending points of the distance "L". In addition, it is not clear how an increased depth "T" provides a larger contact area.

Responsive to this, figure 4 is corrected to match the specification and claims. In addition, figure 4 is also corrected to show beginning and ending points of the distance "L". In addition, the specification is amended in accordance with the Examiner's instruction to explain how an increased depth "T" (radius of curvature)

provides a larger contact area.

Therefore, it is believed that, by the amendments, the rejection under 35 U.S.C. 112, first paragraph, should be removed.

Claims 1-11 were originally rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention.

Responsive to this, claim 1 is amended according to the Examiner's instructions. In addition, claim 6 has been deleted. Therefore, it is believed that, by the amendments, the rejection under 35 U.S.C. 112, second paragraph should be removed.

CLAIM REJECTION UNDER 35 U.S.C. 103(a)

Claims 1-11 were originally rejected under 35 U.S.C. 103(a) as being unpatentable over Grimm et al. (3,354,757) in view of Chow (5,295,422).

Responsive to this, claim 6 is deleted and claim 1 is amended which is substantially the combination of original claims 1 and 6 so as to make the claimed invention more distinguishably patentable over the prior art references cited by the Examiner. Applicant also submits the following comments.

The claimed invention discloses “a hand tool, comprising:

a main body provided with a mounting portion including a plurality of arcuate protruding faces and a plurality of receiving recesses located between the protruding faces;

wherein, each of the receiving recesses of the mounting portion has a relatively smaller arc-shaped corner;

each of the protruding faces of the mounting portion has a relatively larger arc-shape to enhance a contact area of each of the protruding faces with a workpiece;

the proportion of a radius of curvature of each of the protruding faces of the mounting portion and a distance between the corner of each of the receiving recesses and the corner of an adjacent receiving recess is equal to 1: 1.6” as disclosed in the amended claim 1.

With reference to the Grimm reference, it disclosed a wrench comprising a cylindrical outer member 120 having twelve wrenching splines 124. The splines 124 are slightly tapered from a relatively broad root to a narrower apex and are provided with a profile having confronting lateral boundaries 137 and 138 extending from the outer radial extremity 140 to the inner radial extremity 139 thereof. A small radius 160 is preferably provided at the root of all splines 124. Each of the splines 124 may be provided with auxiliary lateral boundaries 202 symmetrical about the line of symmetry 134 and lying along lines 204 and 206 which diverge radially outwardly at an angle “E”.

In comparison, in the Grimm reference, the splines 124 are slightly tapered from a relatively broad root to a narrower apex thereof. Therefore, each of the splines 124 does not have an arcuate shape.

Thus, the Grimm reference does not teach “a main body provided with a mounting portion including a plurality of arcuate protruding faces” as disclosed in the amended claim 1 of the claimed invention.

In addition, in the Grimm reference, each of the splines 124 does not have an arcuate shape.

Thus, the Grimm reference does not teach “each of the protruding faces of the mounting portion has a relatively larger arc-shape to enhance a contact area of each of the protruding faces with a workpiece” as disclosed in the amended claim 1 of the claimed invention.

Further, in the Grimm reference, each of the splines 124 does not have an arcuate shape, so that each of the splines 124 does not have a radius of curvature.

Thus, the Grimm reference does not teach “the proportion of a radius of curvature of each of the protruding faces of the mounting portion and a distance between the corner of each of the receiving recesses and the corner of an adjacent receiving recess is equal to 1: 1.6” as disclosed in the amended claim 1 of the claimed invention.

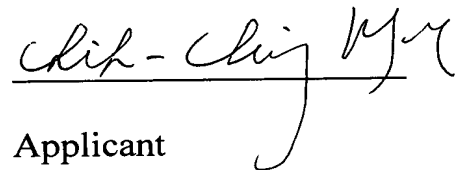
Therefore, from the above mentioned descriptions, it is apparent that the claimed invention has disclosed a hand tool whose structure and function are quite different from and patentably distinguishable over that of the Grimm reference. It is believed that the Grimm reference, whether taken alone or in combination with the Chow reference, does not provide the elements and objectives as are disclosed in the claimed invention, and cannot render obvious the claimed invention.

Accordingly, for all of the above-mentioned reasons, it is believed that the rejections of claim 1 under 35 U.S.C. 103(a) should be withdrawn, and the amended claim 1 should be allowable.

It is further submitted that the claims 2-5 and 7-11 should be allowable as they are dependent upon the amended claim 1 which is believed to be allowable.

In view of the foregoing amendments and remarks, Applicant submits that the application is now in a condition for allowance and such action is respectfully requested.

Respectfully submitted,


Applicant

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AMENDMENT TO THE DRAWINGS

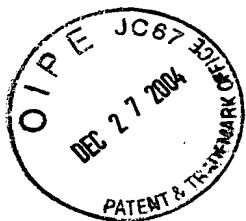
Replacement sheet of drawings are enclosed for the Examiner's approval. The attached sheet of drawings include changes to Fig. 4. This sheet, which includes Figs. 3 and 4, replaces the original sheet including Figs. 3 and 4. In figure 4, the position of the distance "L" has been corrected.

In addition, a marked-up copy (with annotations) of the amended figure is also enclosed for the Examiner's approval.

Attachment:

Replacement Sheet

Annotated Sheet Showing Changes



Annotated Sheet Showing Changes

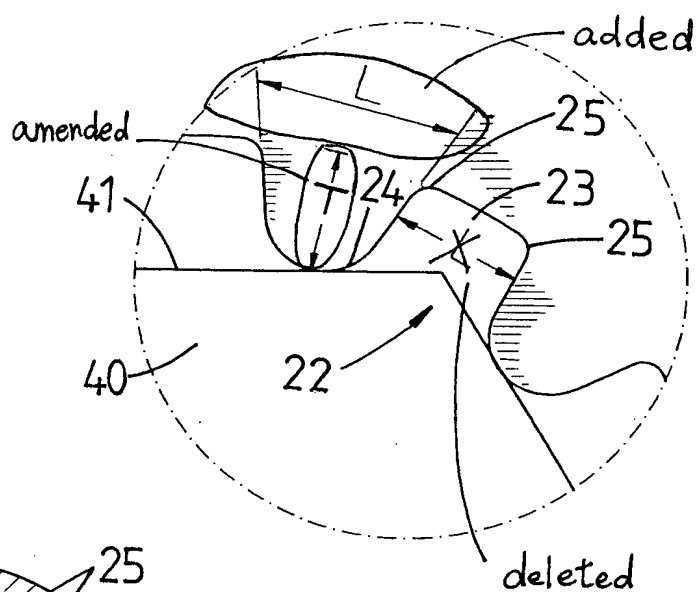


FIG. 4

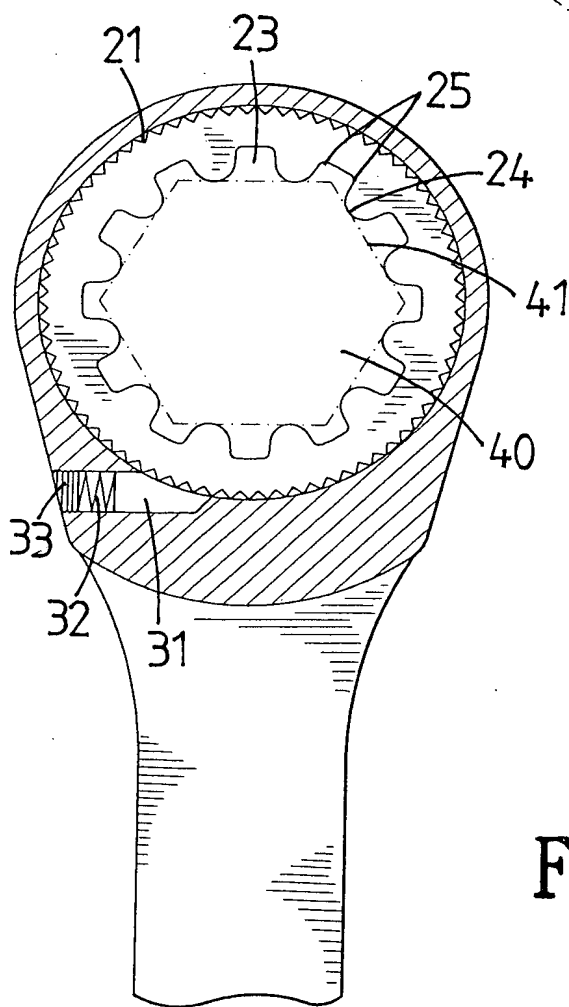


FIG. 3